

INSTRUCTIONS

FOR THE NSF-NIH SURVEY OF GRADUATE STUDENTS AND POSTDOCTORATES IN SCIENCE AND ENGINEERING, FALL 1998

PURPOSE OF THE SURVEY

The survey provides a comprehensive picture of the training of future scientists and engineers in the Nation's graduate schools. Data are used by Congress and the executive branch during budget preparation, and by State government agencies and other analysts to assess the future supply of science and engineering (S&E) personnel.

This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. All information provided will be used for statistical purposes only. Response is entirely voluntary and failure to provide some or all of the information will in no way adversely affect your institution.

The average time required for questionnaire completion is 2 hours. Response burden comments should be directed to Mary Lou Higgs at (703) 306-1125, ext. 2063.

Students Included in This Survey

Count as graduate students persons enrolled **for credit** in any S&E master's or Ph.D. degree program in fall 1998. Report M.D., D.O., D.V.M., or D.D.S. candidates, interns, and residents in items 5 through 7 **only** if they are concurrently working for an S&E master's or Ph.D. degree or are enrolled in a joint medical/Ph.D. program. Individuals who already hold graduate or medical degrees and are working on another master's or Ph.D. degree are considered graduate students (items 5 through 7), not postdoctorates (item 8).

Include S&E students performing thesis or dissertation research away from the campus (for example, at Government- and contractor-owned facilities) in the United States as long as they are enrolled for credit in an advanced-degree program.

All data should be reported in terms of headcounts, not full-time equivalents (FTEs).

Students Excluded From This Survey

Exclude students enrolled in a foreign country (at a branch or extension center), and non-matriculated students.

Students Enrolled in Multiple Departments/Institutions

A student should be reported in only **one** department. Students enrolled in interdisciplinary/interinstitutional programs should be counted only once, by their "home" department and institution.

INCOMPLETE DATA

Please write "unavailable" or "unknown" in data cells as applicable. On this form, "N/A" means "not applicable." Data cells left blank are presumed to be zeroes.

ITEM 5: FULL-TIME STUDENTS

Report the total number of full-time degree-seeking students in line (6), column (L). Then, in lines (1) through (6), count each full-time student **only once** by **largest** source of support so that all columns and rows in item 5 sum to the full-time total in line (6), column (L). In item 5, count only graduate students pursuing an S&E degree according to a full-time schedule; this may include any combination of study, teaching, and research, depending on your institution's policy and definition of full-time status. For example, many institutions base full-time status on the number of credit hours taken; others calculate full-time according to the amount of fees paid by the student.

Mechanisms of Support—Lines (1) Through (5)

A **fellowship**, line (1), is any competitive award (often from a national competition) made to a student that requires no work of the recipient. A **traineeship**, line (2), is an educational award given to a student selected by the institution. An **assistantship** should be classified as **research**, line (3), or **teaching**, line (4), depending on assigned duties; e.g., a student devoting most of his or her time to teaching should be reported on line (4). All other full-time students, including members of the Armed Forces whose tuition is paid by the Department of Defense, and self-supported students, should be reported on line (5).

Federal Sources of Support—Columns (A) Through (G)

Department of Defense (DoD)—Column (A): Sources include the Departments of the Army, Navy, or Air Force, as well as programs within the Office of the Secretary of Defense. Students receiving their main support from the Veterans Administration under the G.I. Bill should be reported under column (F), "Other Federal sources."

Department of Health and Human Services (HHS)—Columns (B) and (C): Report students with support from the institutes or divisions of the National Institutes of Health (NIH) under column (B); report support from all other components of HHS in column (C). Refer to the organizational roster under "Definitions."

National Science Foundation (NSF)—Column (D): Report students receiving NSF graduate fellowships and minority fellowships, as well as those supported under NSF research grants.

U.S. Department of Agriculture (USDA)—Column (E): Include research assistants working on projects financed out

of Hatch, McIntyre-Stennis, or Smith-Lever formula funds, competitive research grants, and institution fellowship/training grants.

National Aeronautics and Space Administration (NASA)—Column (F): Report students with support from this agency.

Other Federal sources—Column (G): Report students receiving support from Federal agencies other than those listed in columns (A) through (F), such as the Fulbright program, the G.I. Bill, and Department of Education and Department of Energy programs. Students primarily supported by Federal loans should be reported in column (K), "Self-supported students."

Non-Federal Sources of Support—Cols. (H) Through (J)

Institutional support—Column (H): Report students supported from YOUR institution, including those receiving tuition waivers. State and local government support should also be reported in this column. Students primarily supported with funds from the Federal Government, such as training grants, however, should be reported under the appropriate Federal agency.

Foreign sources—Column (I): Report students supported from any non-U.S. source, such as foreign governments, industrial firms, or specialized agencies of the United Nations.

Other U.S. sources—Column (J): Report students supported from nonprofit institutions, private industry, and all other non-Federal U.S. sources not included in columns (H) or (I).

Self-supported students—Column (K): Report both foreign and U.S. citizen students whose largest source of support comes from ANY loans (including Federal loans) or from personal or family financial contributions. **These students must be included in the full-time total, line (6), column (L).**

Women—Line (7)

Report all full-time female students by the source of their primary support. The total number of full-time women should be reported in line (7), column (L).

In each column, data on line (7) should not exceed the total on line (6).

First-Time Full-Time Students—Lines (8) and (9)

A first-time student has enrolled in the program in which he or she is pursuing a degree as of the beginning of the fall term in 1998. All other students should be considered to be beyond their first time of enrollment.

ITEM 6: PART-TIME STUDENTS

Report all part-time students in item 6, regardless of their source of support. Part-time students are pursuing an S&E graduate degree but NOT on a full-time schedule. Consider students part-time according to your own institution's definition of part-time status.

ITEM 7: CITIZENSHIP AND RACIAL/ETHNIC BACKGROUND OF U.S. CITIZENS AND PERMANENT RESIDENTS

Report all U.S. citizens and permanent residents in columns (A) through (G), and count each student only once according to his or her racial/ethnic category as defined by the Bureau of the Census, listed under "Definitions."

Count foreign students, i.e., those holding temporary visas, only **once** in column (H), regardless of race/ethnicity. Native residents of a U.S. possession and applicants for U.S. citizenship holding green cards, however, should be reported as U.S. citizens.

Total full-time and part-time enrollments reported in item 7 should match those reported in items 5 and 6, respectively.

ITEM 8: POSTDOCTORATES AND NONFACULTY RESEARCH STAFF WITH DOCTORATES

Postdoctorates—Columns (A) through (F): Include individuals with science and engineering Ph.D.'s, M.D.'s, D.D.S.'s, or D.V.M.'s (including foreign degrees equivalent to U.S. doctorates) who devote their **primary effort to their own research training through research activities or study** in the department under temporary appointments carrying no academic rank. These individuals may contribute to the academic program through seminars, lectures, or working with graduate students. Such postdoctorates may have different titles at different institutions, e.g., "Postdoctoral Scholar," "Research Associate," "Postdoctoral Fellow," or "Postgraduate Researcher." Exclude, however, clinical fellows and those with appointments in residency training programs in medical and health professions, **unless research training under the supervision of a senior mentor is the primary purpose** of the appointment.

Report postdoctorates by source of support in columns (A) through (D), with the total number of postdoctorates reported in column (E). Of this total, report the number who are foreign in column (F).

Other non-faculty research staff with doctorates—Column (G): Include all doctoral scientists and engineers who are involved principally in research activities but are not considered either postdoctoral appointees or members of the regular faculty.

On line (2), report the number of women in each category. On line (3), report those postdoctorates and nonfaculty research staff who hold first professional medical degrees (M.D., D.O., D.D.S., D.V.M.). Please note that in each column, data on lines (2) and (3) should not exceed the total on line (1).

DEFINITIONS

(1) NATIONAL INSTITUTES OF HEALTH ORGANIZATIONAL ROSTER

—Item 5, column (B)

Fogarty International Center
National Cancer Institute
National Center for Human Genome Research
National Center for Nursing Research
National Center for Research Resources
National Eye Institute
National Heart, Lung, and Blood Institute
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Child Health and Human Development
National Institute of Dental Research
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute of Environmental Health Sciences
National Institute of General Medical Sciences
National Institute of Mental Health
National Institute of Neurological Disorders and Stroke

National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute on Deafness and Other Communication Disorders
National Institute on Drug Abuse
National Library of Medicine

(2) OTHER HHS ADMINISTRATIVE UNITS

—Item 5, column (C)

Substance Abuse and Mental Health Services Administration (Please note that the former Alcohol, Drug Abuse and Mental Health Administration institutes are now part of the National Institutes of Health.)
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health
Food and Drug Administration
Health Resources and Services Administration

(3) RACIAL/ETHNIC CATEGORIES FOR U.S. CITIZENS AND PERMANENT RESIDENTS DEFINED BY THE BUREAU OF THE CENSUS

—Item 7

Black, non-Hispanic: Persons having origins in any of the black racial groups (except those of Hispanic origin).

American Indian or Alaskan native: Persons having origins in any of the original peoples of North America.

Asian or Pacific Islander: Persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. These areas include China, Japan, Korea, the Philippine Islands, and Samoa.

Hispanic: Persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

White, non-Hispanic: Persons having origins in any of the original peoples of Europe, North Africa, or the Middle East, except those of Hispanic origin.

FOR FURTHER INFORMATION . . .

If you have any questions about this survey, please contact Ms. Toni Picker or Dr. Atessa Shahmirzadi of Quantum Research Corporation by telephone at (301) 657-3077, exts. 294 or 140 respectively, or by e-mail at gss@qrc.com.

UPON COMPLETING THIS FORM, PLEASE RETURN IT TO YOUR
SURVEY COORDINATOR FOR TRANSMITTAL BY JANUARY 31, 1999.

NATIONAL SCIENCE FOUNDATION and NATIONAL INSTITUTES OF HEALTH
Survey of Graduate Students and Postdoctorates in Science and Engineering, Fall 1998

Form approved
OMB No. 3145-0062
Appr. Exp. 11/30/99

DEPARTMENT OR PROGRAM DATA SHEET

Due date: January 31, 1999

ITEMS 1-4. IDENTIFYING INFORMATION

1. Institution name: _____

2. Name of S&E department or program: _____

If changed since last year, please indicate previous name and whether this represents a merger, split, or expanded program: _____

4. Highest **graduate** degree available in this department or program (CHECK ONE): (1) Ph.D.¹ ☐ (2) Master's ☐ (3) No Ph.D.¹ or master's degree offered ☐

3. Person in department or program preparing this form:

Name: _____

Title: _____

Phone: (_____) _____

E-mail address: _____

**Institution and
department code
(LEAVE BLANK)**

Report all data on a headcount basis (use whole numbers, *not* fractions, decimals, FTEs, etc.). If your department does not enroll graduate students, please go to item 8.

ITEM 5. NUMBER OF **FULL-TIME** GRADUATE STUDENTS enrolled for advanced degrees (master's and doctoral) in fall 1998. Report each student **only once** according to the source and mechanism of the **largest amount of support** received in fall 1998.

Students receiving equal support from multiple sources or through multiple mechanisms should be reported only once. When determining the largest source of support, consider **all** graduate school academic expenses including tuition, tuition remission, and stipends.

MECHANISMS OF SUPPORT		STUDENTS RECEIVING FINANCIAL ASSISTANCE									SELF-SUPPORTED STUDENTS (including loans and family sources) (K)	TOTAL FULL-TIME GRADUATE ENROLLMENT (Sum of (A) through (K)) (L)		
		FEDERAL SOURCES (excluding loans)						NON-FEDERAL SOURCES						
		Department of Defense (A)	HHS		National Science Foundation (D)	Department of Agriculture (E)	NASA (F)	Other Federal sources (G)	Institutional support (including State & local government) (H)	Foreign sources (I)	Other U.S. sources (J)			
			National Institutes of Health (B)	Other HHS (C)										
	Line													
Graduate Fellowships	(1)													
Graduate Traineeships	(2)													
Graduate Research Assistantships	(3)													
Graduate Teaching Assistantships	(4)													
Other Types of Support	(5)													
FULL-TIME TOTAL²	(6)													
Of the students in line (6), how many in each data cell are WOMEN?³	(7)													
First-Time Full-Time Students	(8)	Of the full-time students on line (6), column (L), how many are FIRST-TIME? (Should not exceed total in line (6), column (L))												
First-Time Full-Time Women Students	(9)	Of the first-time students on line (8), how many are WOMEN?												

¹ Or Ph.D. equivalent such as Sc.D. and D.Eng., but not Ed.D., M.D., or other professional degree

² The total from line (6) should be inserted in item 7, line (3), column (I).

³ The total from line (7) should be inserted in item 7, line (2), column (I).

ITEM 6. NUMBER OF PART-TIME GRADUATE STUDENTS enrolled for advanced degrees (master's and Ph.D.) in fall 1998.			
PART-TIME TOTAL (The total from line (1) should be inserted below in item 7, line (6), column (I).)		(1)	
Of the part-time students on line (1), how many are WOMEN ? (The total from line (2) should be inserted below in item 7, line (5), column (I).)		(2)	

ITEM 7. RACE/ETHNICITY of FULL-TIME (Item 5) and PART-TIME (Item 6) graduate students in fall 1998, by sex.	Of the student totals in items 5 and 6, how many belong to the following RACIAL/ETHNIC categories? In each line, count each student only once.		U.S. CITIZENS AND PERMANENT RESIDENTS						FOREIGN: temporary visa holders (H)	TOTAL (Sum of (A) through (H)) (I)
			Black non- Hispanic (A)	Amer. Indian/ Alaskan Native (B)	Asian/ Pacific Islander (C)	Hispanic (D)	White non- Hispanic (E)	Other (F)		
	MEN ENROLLED FULL TIME	(1)								
	WOMEN ENROLLED FULL TIME (column (I) should equal item 5, line (7), column (L))	(2)								
	FULL TIME, TOTAL (column (I) should equal item 5, line (6), column (L))	(3)								
	MEN ENROLLED PART TIME	(4)								
	WOMEN ENROLLED PART TIME (column (I) should equal item 6, line (2))	(5)								
PART TIME, TOTAL (column (I) should equal item 6, line (1))	(6)									

ITEM 8. NUMBER OF POSTDOCTORATES AND NON-FACULTY RESEARCH STAFF WITH DOCTORATES in fall 1997.		POSTDOCTORATES						OTHER NON- FACULTY RESEARCH STAFF WITH DOCTORATES (G)
		SOURCE OF SUPPORT				TOTAL for all sources (A) through (D) (E)	Of the total in (E), how many are FOREIGN ? (F)	
		FEDERAL			NON- FEDERAL (D)			
		Fellowships (A)	Traineeships (B)	Research grants (C)				
TOTAL	(1)							
Of the total in each cell of line (1), how many are WOMEN?	(2)							
Of the total in each cell of line (1), how many hold an M.D., D.O., D.D.S., or D.V.M. degree?	(3)							

Approximately how many personhours were required to complete this form?

List other Federal sources (agencies), from item 5, column (G), and number of full-time students supported by each:

Please explain variances from the previous year's data or include other comments:

Survey of Graduate Students and Postdoctorates in Science and Engineering

CROSSWALK BETWEEN NSF DISCIPLINE CODES AND THE NCES CLASSIFICATION OF INSTRUCTIONAL PROGRAMS

The following set of discipline codes categorizes the science and engineering departments or programs in the Survey of Graduate Students and Postdoctorates in Science and Engineering. Representative department names are shown under each of the discipline codes.

<p>ENGINEERING</p> <p>101 AEROSPACE ENGINEERING 14.02 AEROSPACE, AERONAUTICAL, AND ASTRONAUTICAL ENGR.</p> <p>102 AGRICULTURAL ENGINEERING 14.03 AGRICULTURAL ENGINEERING</p> <p>103 BIOMEDICAL ENGINEERING 14.05 BIOENGINEERING AND BIOMEDICAL ENGINEERING</p> <p>104 CHEMICAL ENGINEERING 03.0509 WOOD SCIENCE 14.07 CHEMICAL ENGINEERING 14.32 POLYMER/PLASTICS ENGINEERING</p> <p>105 CIVIL ENGINEERING 04.02 ARCHITECTURE 14.04 ARCHITECTURAL ENGINEERING 14.08 CIVIL ENGINEERING 14.0803 STRUCTURAL ENGINEERING 14.0805 WATER RESOURCES ENGINEERING 14.14 ENVIRONMENTAL/ENVIRONMENTAL HEALTH ENGINEERING</p> <p>106 ELECTRICAL ENGINEERING 14.09 COMPUTER ENGINEERING 14.10 ELECTRICAL, ELECTRONICS, AND COMMUNICATIONS ENGR.</p> <p>107 ENGINEERING SCIENCE AND ENGINEERING PHYSICS 14.12 ENGINEERING PHYSICS 14.13 ENGINEERING SCIENCE</p> <p>108 INDUSTRIAL/MANUFACTURING ENGINEERING 14.17 INDUSTRIAL/MANUFACTURING ENGINEERING 14.27 SYSTEMS ENGINEERING 14.30 ENGINEERING/INDUSTRIAL MANAGEMENT 30.06 SYSTEMS SCIENCE</p> <p>109 MECHANICAL ENGINEERING 14.11 ENGINEERING MECHANICS 14.19 MECHANICAL ENGINEERING</p> <p>110 METALLURGICAL AND MATERIALS ENGINEERING 14.06 CERAMIC SCIENCES AND ENGINEERING 14.18 MATERIALS ENGINEERING 14.20 METALLURGICAL ENGINEERING 14.28 TEXTILE SCIENCES AND ENGINEERING 14.31 MATERIALS SCIENCE 40.0701 METALLURGY</p> <p>111 MINING ENGINEERING 14.15 GEOLOGICAL ENGINEERING 14.16 GEOPHYSICAL ENGINEERING 14.21 MINING AND MINERAL ENGINEERING</p> <p>112 NUCLEAR ENGINEERING 14.23 NUCLEAR ENGINEERING</p> <p>113 PETROLEUM ENGINEERING 14.25 PETROLEUM ENGINEERING</p> <p>114 ENGINEERING, N.E.C. 14.01 ENGINEERING, GENERAL 14.22 NAVAL ARCHITECTURE AND MARINE ENGINEERING 14.24 OCEAN ENGINEERING 14.29 ENGINEERING DESIGN 14.99 ENGINEERING, OTHER</p>	<p>EARTH, ATMOSPHERIC, AND OCEAN SCIENCES</p> <p>301 ATMOSPHERIC SCIENCES 40.04 ATMOSPHERIC SCIENCES AND METEOROLOGY</p> <p>302 GEOSCIENCES 40.06 GEOLOGICAL AND RELATED SCIENCES 40.0703 EARTH AND PLANETARY SCIENCES</p> <p>303 OCEAN SCIENCES 26.0607 MARINE/AQUATIC BIOLOGY 40.0702 OCEANOGRAPHY</p> <p>304 EARTH, ATMOSPHERIC, AND OCEAN SCIENCES, N.E.C.</p>
<p>PHYSICAL SCIENCES</p> <p>201 ASTRONOMY 40.02 ASTRONOMY 40.03 ASTROPHYSICS</p> <p>202 CHEMISTRY 40.05 CHEMISTRY (SEE ALSO 602) 40.0507 POLYMER CHEMISTRY</p> <p>203 PHYSICS 40.08 PHYSICS (SEE ALSO 605) 40.0807 OPTICS 40.0809 ACOUSTICS</p> <p>204 PHYSICAL SCIENCES, N.E.C. 40.01 PHYSICAL SCIENCES, GENERAL 40.0799 MISCELLANEOUS PHYSICAL SCIENCES, OTHER 40.99 PHYSICAL SCIENCES, OTHER</p>	<p>MATHEMATICAL SCIENCES</p> <p>402 MATHEMATICS AND APPLIED MATHEMATICS 27.01 MATHEMATICS 27.03 APPLIED MATHEMATICS 27.0302 OPERATIONS RESEARCH 27.99 MATHEMATICS, OTHER 30.08 MATHEMATICS AND COMPUTER SCIENCE</p> <p>403 STATISTICS 27.05 MATHEMATICAL STATISTICS 52.0802 ACTUARIAL SCIENCE</p> <p>COMPUTER SCIENCE</p> <p>401 COMPUTER SCIENCE 11.01 COMPUTER AND INFORMATION SCIENCES, GENERAL 11.04 INFORMATION SCIENCES AND SYSTEMS 11.07 COMPUTER SCIENCE 52.1201 MANAGEMENT INFORMATION SYSTEMS 52.1301 MANAGEMENT SCIENCE</p> <p>AGRICULTURAL SCIENCES (SEE ALSO 102 AND 901)</p> <p>501 AGRICULTURAL SCIENCES 02.01 AGRICULTURE/AGRICULTURAL SCIENCES 02.02 ANIMAL SCIENCES 02.03 FOOD SCIENCES 02.04 PLANT SCIENCES 02.05 SOIL SCIENCES 02.99 AGRICULTURAL SCIENCES, OTHER 03.01 NATURAL RESOURCES CONSERVATION 03.02 CONSERVATION AND REGULATION 03.03 FISHING AND FISHERIES SCIENCES AND MANAGEMENT 03.05 FORESTRY AND RELATED SCIENCES 03.06 WILDLIFE AND WILDLANDS MANAGEMENT 03.99 CONSERVATION AND RENEWABLE NATURAL RESOURCES, OTHER</p> <p>BIOLOGICAL SCIENCES</p> <p>601 ANATOMY 26.0601 ANATOMY 51.1301 MEDICAL ANATOMY</p> <p>602 BIOCHEMISTRY 26.0202 BIOCHEMISTRY 51.1302 MEDICAL BIOCHEMISTRY</p> <p>603 BIOLOGY 26.01 BIOLOGY, GENERAL</p> <p>604 BIOMETRY AND EPIDEMIOLOGY 26.0614 BIOMETRICS 26.0615 BIOSTATISTICS 51.1303 MEDICAL BIOMATHEMATICS AND BIOMETRICS 51.1203 EPIDEMIOLOGY</p> <p>605 BIOPHYSICS 26.0203 BIOPHYSICS 51.1304 MEDICAL BIOPHYSICS/PHYSICS</p> <p>606 BOTANY 26.03 BOTANY (EXCLUDING 26.05 MICROBIOLOGY/BACTERIOLOGY—SEE 611) 26.0305 PLANT PATHOLOGY 26.0307 PLANT PHYSIOLOGY</p> <p>607 CELL AND MOLECULAR BIOLOGY 26.04 CELL AND MOLECULAR BIOLOGY 26.0401 CELL BIOLOGY 26.0402 MOLECULAR BIOLOGY 51.1305 MEDICAL CELL BIOLOGY 51.1309 MEDICAL MOLECULAR BIOLOGY</p>

608 ECOLOGY	26.0603 ECOLOGY
609 ENTOMOLOGY AND PARASITOLOGY	26.0610 PARASITOLOGY 26.0702 ENTOMOLOGY
610 GENETICS	26.0613 GENETICS, PLANT AND ANIMAL 26.0617 EVOLUTIONARY BIOLOGY 51.1306 MEDICAL GENETICS
611 MICROBIOLOGY, IMMUNOLOGY, AND VIROLOGY	26.05 MICROBIOLOGY/BACTERIOLOGY 26.0618 BIOLOGICAL IMMUNOLOGY 26.0619 VIROLOGY 51.1308 MEDICAL MICROBIOLOGY
612 NUTRITION	19.05 FOODS AND NUTRITION STUDIES 26.0609 NUTRITIONAL SCIENCES 51.1311 MEDICAL NUTRITION
613 PATHOLOGY	26.0704 PATHOLOGY, HUMAN AND ANIMAL 51.1312 MEDICAL PATHOLOGY
614 PHARMACOLOGY	26.0612 TOXICOLOGY 26.0705 PHARMACOLOGY, HUMAN AND ANIMAL 51.1314 MEDICAL TOXICOLOGY
615 PHYSIOLOGY	26.0706 PHYSIOLOGY, HUMAN AND ANIMAL 51.1313 MEDICAL PHYSIOLOGY
616 ZOOLOGY	26.07 ZOOLOGY
617 BIOSCIENCES, N.E.C.	26.0616 BIOTECHNOLOGY RESEARCH 26.0699 MISCELLANEOUS BIOLOGICAL SPECIALIZATIONS, OTHER 26.99 BIOLOGICAL SCIENCES/LIFE SCIENCES, OTHER 30.01 BIOLOGICAL AND PHYSICAL SCIENCES 30.10 BIOPSYCHOLOGY

PSYCHOLOGY

801 PSYCHOLOGY, COMBINED	42.01 PSYCHOLOGY, GENERAL
802 PSYCHOLOGY, EXCEPT CLINICAL	42.03 COGNITIVE PSYCHOLOGY AND PSYCHOLINGUISTICS 42.04 COMMUNITY PSYCHOLOGY 42.07 DEVELOPMENTAL AND CHILD PSYCHOLOGY 42.08 EXPERIMENTAL PSYCHOLOGY 42.09 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY 42.11 PHYSIOLOGICAL PSYCHOLOGY/PSYCHOBIOLOGY 42.16 SOCIAL PSYCHOLOGY 42.17 SCHOOL PSYCHOLOGY 42.99 PSYCHOLOGY, OTHER 51.2301 ART THERAPY 51.2303 HYPNOTHERAPY 51.2705 PSYCHOANALYSIS
803 CLINICAL PSYCHOLOGY	42.02 CLINICAL PSYCHOLOGY

SOCIAL SCIENCES

901 AGRICULTURAL ECONOMICS	01.0101 AGRICULTURAL BUSINESS AND MANAGEMENT, GENERAL 01.0102 AGRICULTURAL BUSINESS/AGRIBUSINESS OPERATIONS 01.0103 AGRICULTURAL ECONOMICS
902 ANTHROPOLOGY (CULTURAL AND SOCIAL)	45.02 ANTHROPOLOGY 45.03 ARCHAEOLOGY
903 ECONOMICS	45.06 ECONOMICS 52.06 BUSINESS/MANAGERIAL ECONOMICS
904 GEOGRAPHY	45.0701 GEOGRAPHY 45.0702 CARTOGRAPHY
905 HISTORY AND PHILOSOPHY OF SCIENCE	45.0804 HISTORY AND PHILOSOPHY OF SCIENCE
906 LINGUISTICS	16.0102 LINGUISTICS
907 POLITICAL SCIENCE/PUBLIC ADMINISTRATION	44.04 PUBLIC ADMINISTRATION 44.05 PUBLIC POLICY ANALYSIS 44.99 PUBLIC ADMINISTRATION AND SERVICES, OTHER 45.09 INTERNATIONAL RELATIONS AND AFFAIRS 45.10 POLITICAL SCIENCE AND GOVERNMENT

908 SOCIOLOGY	45.05 DEMOGRAPHY AND POPULATION STUDIES 45.11 SOCIOLOGY
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909 SOCIOLOGY/ANTHROPOLOGY

910 SOCIAL SCIENCES, N.E.C.	04.03 CITY/URBAN, COMMUNITY, AND REGIONAL PLANNING 04.07 ARCHITECTURAL URBAN DESIGN AND PLANNING 05 AREA, ETHNIC, AND CULTURAL STUDIES 30.11 GERONTOLOGY 43.01 CRIMINAL JUSTICE AND CORRECTIONS 44.02 COMMUNITY ORGANIZATION, RESOURCES, AND SERVICES 45.01 SOCIAL SCIENCES, GENERAL 45.04 CRIMINOLOGY 45.12 URBAN AFFAIRS/STUDIES 45.99 SOCIAL SCIENCES, OTHER
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HEALTH FIELDS (SEE ALSO 103)

701 ANESTHESIOLOGY	51.1604 NURSING ANESTHETIST (POST-R.N.)
702 CARDIOLOGY	
703 ONCOLOGY/CANCER RESEARCH	
704 ENDOCRINOLOGY	
705 GASTROENTEROLOGY	
706 HEMATOLOGY	
707 NEUROLOGY	26.0608 NEUROSCIENCE
708 OBSTETRICS AND GYNECOLOGY	
709 OPHTHALMOLOGY	51.1701 OPTOMETRY (O.D.)
710 OTORHINOLARYNGOLOGY	
711 PEDIATRICS	
712 PREVENTIVE MEDICINE AND COMMUNITY HEALTH	51.22 PUBLIC HEALTH 51.2202 ENVIRONMENTAL HEALTH
713 PSYCHIATRY	51.1610 NURSING, PSYCHIATRY/MENTAL HEALTH (POST-R.N.)
714 PULMONARY DISEASE	
715 RADIOLOGY	26.0611 RADIATION BIOLOGY/RADIOBIOLOGY
716 SURGERY	
717 CLINICAL MEDICINE, N.E.C.	51.1399 MEDICAL BASIC SCIENCES, OTHER 51.1201 MEDICINE (M.D.) 51.14 MEDICAL CLINICAL SCIENCES (M.S., Ph.D.) 51.19 OSTEOPATHIC MEDICINE (D.O.) 51.21 PODIATRY (D.P.M., D.P., Pod.D.)
718 DENTAL SCIENCES	51.04 DENTISTRY (D.D.S., D.M.D.) 51.05 DENTAL CLINICAL SCIENCES/GRAD. DENTISTRY (M.S., Ph.D.)
719 NURSING	51.16 NURSING (EXCLUDING 51.1610, NURSING, PSYCHIATRY/MENTAL HEALTH—SEE 713, AND 51.1604 NURSING ANESTHETIST—SEE 701)
720 PHARMACEUTICAL SCIENCES	51.20 PHARMACY
721 VETERINARY SCIENCES	51.24 VETERINARY MEDICINE (D.V.M.) 51.25 VETERINARY CLINICAL SCIENCES (M.S., Ph.D.)
722 HEALTH-RELATED, N.E.C.	31.0505 EXERCISE SCIENCE/PHYSIOLOGY AND MOVEMENT STUDIES 51.2306 OCCUPATIONAL THERAPY 51.2308 PHYSICAL THERAPY 51.2399 REHABILITATION/THERAPEUTIC SERVICES, OTHER 51.2704 NATUROPATHIC MEDICINE 51.99 HEALTH PROFESSIONS AND RELATED SCIENCES, OTHER
723 COMMUNICATION DISORDERS SCIENCES	51.02 COMMUNICATION DISORDERS SCIENCES AND SERVICES 51.0201 COMMUNICATION DISORDERS, GENERAL 51.0202 AUDIOLOGY/HEARING SCIENCES 51.0203 SPEECH-LANGUAGE PATHOLOGY 51.0204 SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

N.E.C. = not elsewhere classified